

Title (en)

APPARATUS FOR PACKING AND/OR GROUPING ARTICLES WITH CUTTING ELEMENT

Title (de)

VORRICHTUNG ZUM VERPACKEN UND/ODER GRUPPIEREN VON ARTIKELN MIT SCHNEIDELEMENT

Title (fr)

DISPOSITIF D'EMBALLAGE ET/OU DE GROUPEMENT D'ARTICLES DOTÉ D'UN ÉLÉMENT DE COUPE

Publication

**EP 3439968 A1 20190213 (DE)**

Application

**EP 17700009 A 20170102**

Priority

- DE 102016106463 A 20160408
- EP 2017050008 W 20170102

Abstract (en)

[origin: WO2017174220A1] The invention relates to an apparatus (1) for packing and/or grouping articles (2), preferably containers, in particular in order to form packages (3), at least comprising at least one transport device (10) for generating a flow of articles and at least one packing device (20) for packing the flow of articles using a film element (21), wherein the flow of articles can be transported in a transport direction (T) of the transport device (10) and the flow of articles can be wrapped using the film element (21), and at least one material separating device (30) which is arranged after the packing device (20) in the transport direction (T) and by means of which the film element (21) can be completely cut off after a predetermined number of articles (2) in order to obtain a package (3), wherein the cutting plane (S) is preferably arranged orthogonal to the transport direction (T). In that context, the material separating device (30) can be moved at least partially along and counter to the transport device, wherein the cutting element (31) is designed to cut and melt the film element (21).

IPC 8 full level

**B65B 21/24** (2006.01); **B65B 11/00** (2006.01); **B65B 59/00** (2006.01); **B65B 61/00** (2006.01); **B65B 61/06** (2006.01); **B65B 61/10** (2006.01); **B65B 61/14** (2006.01)

CPC (source: EP US)

**B65B 11/008** (2013.01 - EP US); **B65B 11/58** (2013.01 - EP); **B65B 21/245** (2013.01 - EP); **B65B 59/003** (2019.04 - EP US); **B65B 61/007** (2013.01 - EP); **B65B 61/06** (2013.01 - EP); **B65B 61/10** (2013.01 - EP); **B65B 61/14** (2013.01 - EP)

Citation (search report)

See references of WO 2017174220A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2017174220 A1 20171012**; CN 109153463 A 20190104; DE 102016106463 A1 20171012; EP 3439968 A1 20190213

DOCDB simple family (application)

**EP 2017050008 W 20170102**; CN 201780021977 A 20170102; DE 102016106463 A 20160408; EP 17700009 A 20170102